

To: Harris County Precinct Two Commissioner Adrian Garcia  
From: Katie Short, Director; Amber Weed, Chief of Staff and Policy  
Director; Amy Rose, Senior Analyst; Ramin Naderi, Analyst  
CC: Mike Lykes, Mercedes Sánchez, Kris Banks, and Michelle Galindo  
with Precinct Two; Barbie Robinson, Jennifer Kiger, and Dr. Ericka  
Brown with Harris County Public Health  
Date: January 25, 2022  
Re: **Monthly Memo on COVID-19 Vaccine Distribution, January 2022**

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## EXECUTIVE SUMMARY

In January 2021, Precinct Two requested the Analyst's Office produce a monthly memo regarding the distribution of COVID-19 vaccinations in Harris County. Over the past year, the Analyst's Office monitored vaccine distribution as it evolved at the federal, state, and local levels.

This memo provides an overview of the COVID-19 pandemic and vaccine distribution in Harris County. Key findings from the data in this memo include:<sup>i</sup>

- As of January 11, 2022, **58.9% (2,786,039) of individuals in Harris County were fully vaccinated.**
- As of January 11, 2022, **10.0% (472,843) of individuals in Harris County were partially vaccinated.**
- As of January 11, 2022, **16.4% (777,271) of individuals in Harris County had received booster shots.**
- Between November 30, 2021 and January 11, 2022, **the number of individuals in Harris County vaccinated with at least one dose increased by 5% (from 3,104,833 to 3,258,882).**
- Between November 30, 2021 and January 11, 2022, **the number of individuals in Harris County fully vaccinated increased by 4.9% (from 2,655,159 to 2,786,039).**
- **Zip codes 77336 and 77090 have the fewest number of individuals per 100,000 residents fully vaccinated (37,195 and 40,154 respectively).**
- **Zip codes 77098 and 77019 have the greatest number of individuals per 100,000 residents fully vaccinated (87,032 and 90,874, respectively).<sup>ii</sup>**
- The number of individuals fully vaccinated in Harris County varies by age group.
  - **80.8% (155,331) of individuals ages 75 and over are fully vaccinated;**
  - **83.4% (476,433) of individuals ages 60-74 are fully vaccinated;**
  - **79.2% (666,363) of individuals ages 45-59 are fully vaccinated;**

<sup>i</sup> IMPORTANT NOTE: Not all data sums to totals reported. This is due to poor and inconsistent data reporting by providers, and because patients have not been required to disclose all demographic data. DSHS reports it is actively conducting county and provider-level analyses to identify if certain providers or areas are underreporting more than others for targeted data entry funding and training.

<sup>ii</sup> Zip code analysis excludes zip codes that report a greater number of residents vaccinated than the zip code's total population. This discrepancy is due to poor and limited data.

- 68.8% (721,716) of individuals ages 30-44 are fully vaccinated;
- 58.1% (717,028) of individuals ages 12-29 are fully vaccinated; and
- 13.8% (65,673) of individuals ages 5-11 are fully vaccinated.
- The number of individuals fully vaccinated in Harris County varies by race and ethnicity.
  - 36.7% (325,346) of individuals who identify as Black are fully vaccinated;
  - 49.4% (1,005,315) of individuals who identify as Hispanic/Latino are fully vaccinated;
  - 52.8% (690,933) of individuals who identify as White are fully vaccinated;
  - 60.8% (211,388) of individuals who identify as Asian American/Pacific Islander are fully vaccinated; and
  - 77.9% (6,567) of individuals who identify as American Indian/Alaskan Native are fully vaccinated.
- The demographic in Harris County with the **highest percentage of individuals vaccinated are individuals who identify as Hispanic ages 65-74 (79%)**. The demographic with the **lowest percentage of individuals vaccinated are individuals who identify as Black ages 5-11 (6%)**.

The table below provides comprehensive precinct-level data regarding COVID-19 vaccination rates (with at least one dose), COVID-19 tests, positive cases, and related deaths from January 1, 2020 through January 11, 2022.

COVID-19 Vaccination Rates, Tests, Cases, and Deaths by Commissioner Precinct <sup>iii</sup> January 1, 2020 – January 11, 2022 <sup>iv</sup>									
Precinct 1		Precinct 2		Precinct 3		Precinct 4		County Total	
COVID-19 Vaccination Rate (With at Least One Dose)									
Vaccinated	% of Precinct	Vaccinated	% of Precinct	Vaccinated	% of Precinct	Vaccinated	% of Precinct	Vaccinated <sup>v</sup>	% of County
685,716	57.9%	600,079	50.7%	811,568	69.0%	744,664	62.2%	3,258,882	68.9%
COVID-19 Tests Administered									
Tests Administered		Tests Administered		Tests Administered		Tests Administered		Tests Administered <sup>vi</sup>	
1,682,861		1,677,541		1,846,775		1,594,515		7,627,727	
Confirmed Positive Cases									
Cases	% of Precinct	Cases	% of Precinct	Cases	% of Precinct	Cases	% of Precinct	Cases <sup>vii</sup>	% of County
179,809	15.2%	198,478	16.8%	160,371	13.6%	169,149	14.2%	712,349	15.1%
COVID-19 Related Deaths									
Deaths	% of Precinct	Deaths	% of Precinct	Deaths	% of Precinct	Deaths	% of Precinct	Deaths <sup>viii</sup>	% of County
1,748	0.15%	2,232	0.19%	880	0.07%	1,880	0.16%	6,803	0.14%

<sup>iii</sup> Commissioner precinct boundaries used reflect boundaries effective November 3, 2021.

<sup>iv</sup> Cumulative data regarding COVID-19 tests, positive cases, and deaths begins on January 1, 2020, while cumulative data regarding COVID-19 vaccinations (with at least one dose) begins on February 26, 2021.

<sup>v</sup> Precinct totals do not sum to County total because 416,855 individuals have addresses that cannot be geo-coded into a Precinct.

<sup>vi</sup> Precinct totals do not sum to Total Tests because 826,035 tests administered have addresses that cannot be geo-coded into a Precinct.

<sup>vii</sup> Precinct totals do not sum to Total Positive Cases because 4,542 confirmed positive cases have addresses that cannot be geo-coded into a Precinct.

<sup>viii</sup> Precinct totals do not sum to Total Deaths because 63 deaths have addresses that cannot be geo-coded into a precinct.

## INTRODUCTION

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In January 2021, Precinct Two requested the Harris County Commissioners Court's Analyst's Office (the "Analyst's Office") produce a monthly memo regarding the distribution and administration of COVID-19 vaccinations in Harris County. This is the thirteenth memo of a standing monthly memo the Analyst's Office produces as the vaccine distribution continues to evolve at the federal, state, and local levels.

This memo includes data and analysis regarding COVID-19 testing, cases, deaths, and vaccine administration in Harris County. Precinct-level age, race, and ethnicity data are provided where available.

## METHODOLOGY

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Data utilized in this memo are from Harris County Public Health (HCPH); the Centers for Disease Control and Prevention (CDC); and Harris County's Applied Technologies Location Analysis and Statistics (ATLAS) System. Data reflect COVID-19 vaccine doses administered in Harris County by all providers from the beginning of the vaccine rollout, December 14, 2020, through January 11, 2022, and all testing, confirmed cases, and COVID-19-related death data from January 1, 2020 through January 11, 2022.

All references to "fully vaccinated" refer to the administration of either a two-dose or one-dose vaccine. "Fully vaccinated" excludes any third shots (or "booster" shots) administered.

### **Data Collected from Harris County Public Health (HCPH)**

Harris County Public Health (HCPH) is the primary data source for this memo. HCPH staff analyzes vaccine data received by the Texas Department of State Health Services (DSHS) ImmTrac2 system. As the Local Health Authority for the County, HCPH also analyzes and receives testing, confirmed cases, and COVID-19-related death data from local health providers (including the City of Houston) and other sources. Income data provided by HCPH reflects American Community Survey, 2015-2019 Five-Year Estimates. HCPH data and/or analysts aid in the development of all tables and figures.

DSHS advised the following via email regarding the data available on ImmTrac2:

- Providers in Texas have up to 24-hours to report doses administered in ImmTrac2, and the dashboard is updated by 4:00 pm with data reported as of 11:59 pm the previous night. This means there could be as much as a 48-hour lag between when a dose is administered and when it appears on ImmTrac2.

On November 3, 2021, new boundaries for commissioner precincts, adopted by the Harris County Commissioners Court, went into effect. This memo, the thirteenth version, is the first to incorporate the new commissioner precinct boundaries, and because of this change, precinct-level analysis will differ from previous versions.

### **Data Collected from Centers for Disease Control and Prevention (CDC)**

The Analyst's Office collected information on social vulnerability from the Centers for Disease Control and Prevention (CDC). Social vulnerability refers to a community's

capacity to prepare for and respond to the stress of hazardous events ranging from natural disasters, such as tornadoes or disease outbreaks, to human-caused threats, such as toxic chemical spills.<sup>ix</sup> The Social Vulnerability Index (SVI) was created by the CDC and depicts the social vulnerability of communities, at the census tract level, within a given county. SVI groups fifteen census-derived factors into four themes that summarize the extent to which the area is socially vulnerable to disaster. The factors include economic data as well as data regarding education, family characteristics, housing, language ability, ethnicity, and vehicle access. Overall Social Vulnerability Index combines all the variables to provide a comprehensive assessment. SVI data aided with the development of **Table 2**.

#### **Data Collected from Applied Technologies Location Analysis and Statistics (ATLAS)**

The Analyst's Office collected commissioner precinct zip code data from Harris County's Applied Technologies Location Analysis and Statistics (ATLAS) System. As with data provided by Harris County Public Health, information collected from ATLAS reflects the commissioner precinct boundaries that went into effect November 3, 2021.

#### **Data Collected from Harris County Office of Management and Budget**

The Analyst's Office collected commissioner precinct race and ethnicity data from the Harris County Office of Management and Budget (OMB). As with data provided by Harris County Public Health, data collected from OMB reflects the commissioner precinct boundaries that went into effect on November 3, 2021.

NOTE: All analyses in this memo, except **Figure 4**, reflect *individuals fully vaccinated*, rather than *individuals with at least one dose*.

Prior versions of this memo used population statistics for Harris County from the 2019 American Community Survey (ACS) 1 Year Estimates. All data in this memo uses population estimates from the recently released 2020 Census, except **Table 3**, **Figure 5**, and **Figure 6**, which use 2019 ACS estimates.

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<sup>ix</sup> Centers for Disease Control (CDC) Social Vulnerability Index, a tool to identify socially vulnerable communities.

## BACKGROUND

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The spread of the novel coronavirus, the cause of COVID-19, began in the United States in early 2020. Since then, local health entities have tracked the testing, the number of confirmed positive cases, and deaths related to COVID-19.

In December 2020, two-dose vaccines from two producers, Moderna and Pfizer-BioNTech, were authorized for emergency use by the US Food and Drug Administration (FDA). In February 2021, the FDA authorized Johnson & Johnson's (J&J) one-dose vaccine for emergency use. On August 23, 2021, the FDA granted full approval to the Pfizer-BioNTech vaccine for those 16 and older, with continued availability for those 12-15 years of age under emergency use authorization. On October 29, 2021, the FDA authorized the emergency use of the Pfizer-BioNTech vaccine to include children 5 through 11 years of age.<sup>x</sup> The Pfizer-BioNTech vaccine is currently the only vaccine approved by the FDA not under emergency use authorization.<sup>xi</sup>

From December 2020 to March 28, 2021, vaccines were made available for individuals in Texas Department of State Health Services' (DSHS) Phase 1A (front-line healthcare workers and residents of long-term care facilities) and 1B (individuals ages 65+ and individuals ages 16+ with "at least one chronic medical condition that puts them at increased risk for severe illness from the virus that causes COVID-19").<sup>xii</sup> <sup>xiii</sup> On March 29, 2021, Texas expanded vaccine eligibility to all individuals age 16 and older. Beginning May 12, 2021, Texas expanded vaccine eligibility to all individuals age 12 and older. Currently, all vaccines are authorized for individuals age 18 and older; the Pfizer-BioNTech vaccine is authorized for individuals age 5 and older.<sup>xiv</sup>

On August 12, 2021, the FDA amended the emergency use authorizations for the Moderna and Pfizer-BioNTech vaccines to allow for an additional third dose, a "booster," to be administered to immunocompromised individuals.<sup>xv</sup> On September 22, 2021 the FDA amended the emergency use authorization for the Pfizer-BioNTech COVID-19 Vaccine to allow for use of a single booster dose in certain populations.<sup>xvi</sup> <sup>xvii</sup> On October 20, 2021 the FDA further expanded the emergency use authorization to permit single dose booster shots of the Moderna and Johnson & Johnson COVID-19

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<sup>x</sup> Commissioner, O. of the. (2021, October 29). *FDA Authorizes Pfizer-BioNTech COVID-19 Vaccine for Emergency Use in Children 5 through 11 Years of Age*. FDA; FDA. <https://www.fda.gov/news-events/press-announcements/fda-authorizes-pfizer-biontech-covid-19-vaccine-emergency-use-children-5-through-11-years-age>

<sup>xi</sup> *FDA Approves First COVID-19 Vaccine*. (August 23, 2021). US Food and Drug Administration. Retrieved August 30, 2021 from <https://www.fda.gov/news-events/press-announcements/fda-approves-first-covid-19-vaccine>

<sup>xii</sup> Department of State Health Services (DSHS) COVID-19 Vaccine Allocation Phase 1 Definition

<sup>xiii</sup> Department of State Health Services (DSHS) COVID-19 Vaccine Allocation Phase 1B Definition

<sup>xiv</sup> *COVID-19 Vaccine Information*. (n.d.). Texas Department of State Health Services. Retrieved May 27, 2021, from <https://dshs.texas.gov/covidvaccine/>

<sup>xv</sup> *FDA Authorizes Additional Vaccine Dose for Certain Immunocompromised Individuals*. (August 12, 2021). US Food and Drug Administration. Retrieved August 30, 2021 from <https://www.fda.gov/news-events/press-announcements/coronavirus-covid-19-update-fda-authorizes-additional-vaccine-dose-certain-immunocompromised>

<sup>xvi</sup> Pfizer-BioNTech boosters were authorized for individuals 65 years of age and older; individuals 18 through 64 years of age at high risk of severe COVID-19; and individuals 18 through 64 years of age whose frequent institutional or occupational exposure to SARS-CoV-2 puts them at high risk of serious complications of COVID-19 including severe COVID-19.

<sup>xvii</sup> *FDA Authorizes Booster Dose of Pfizer-BioNTech COVID-19 Vaccine for Certain Populations*. (September 22, 2021). US Food and Drug Administration. Retrieved October 28, 2021 from <https://www.fda.gov/news-events/press-announcements/fda-authorizes-booster-dose-pfizer-biontech-covid-19-vaccine-certain-populations>

vaccines.<sup>xviii</sup> <sup>xix</sup> On November 19, 2021, the FDA amended the emergency use authorization of both the Moderna and Pfizer-BioNTech vaccine allowing for a single dose booster to all individuals 18 years or older, after completion of primary vaccination with an FDA-authorized or approved COVID-19 vaccine.<sup>xx</sup>

**Table 1** summarizes COVID-19 vaccine approvals by the FDA over the last 13 months.

**Table 1**

US Food and Drug Administration (FDA) Vaccine Approvals December 2020 – January 11, 2022			
Manufacturer	Emergency Authorization Date/Approval Age	Full FDA Approval Granted	FDA Booster Authorization Date for All Adults (18+)
Pfizer-BioNTech	12/11/2020 (16+) 5/10/2021 (12-15) 10/29/2021 (5-11)	8/23/2021 (For 16+ Only)	11/19/2021
Moderna	12/18/2020 (18+)	Not Currently Granted	11/19/2021
Johnson & Johnson	2/27/2021 (18+)	Not Currently Granted	10/20/2021

Source: US Food and Drug Administration

To incentivize unvaccinated residents to seek vaccination, Harris County and the City of Houston launched separate cash card incentive programs for individuals to receive their first dose of vaccine in summer 2021. The Harris County program was launched on August 17, 2021, and offered \$100 cash cards to residents who received their first dose of the COVID-19 vaccine from August 17 to September 30, at any authorized provider in the County.<sup>xxi</sup> Similarly, the City of Houston launched a cash card incentive program on August 26, 2021, stating that the first 20,000 individuals to get fully vaccinated at an eligible health department site would receive \$150 in the form of cash cards; \$100 cash card for their first dose, and an additional \$50 cash card for their second dose.<sup>xxii</sup> These two incentive programs concluded in September 2021, and there are currently no active incentive programs.

<sup>xviii</sup> Moderna boosters are available for individuals 65 years of age and older; 18 through 64 years of age at high risk of severe COVID-19; and 18 through 64 years of age with frequent institutional or occupational exposure to SARS-CoV-2. Johnson & Johnson boosters are available for individuals 18 years of age and older.

<sup>xix</sup> *Coronavirus (COVID-19) Update: FDA Takes Additional Actions on the Use of a Booster Dose for COVID-19 Vaccines.* (October 20, 2021). US Food and Drug Administration. Retrieved October 28, 2021 from <https://www.fda.gov/news-events/press-announcements/coronavirus-covid-19-update-fda-takes-additional-actions-use-booster-dose-covid-19-vaccines>

<sup>xx</sup> Commissioner, O. of the. (2021, November 19). *Coronavirus (COVID-19) Update: FDA Expands Eligibility for COVID-19 Vaccine Boosters.* FDA; FDA. <https://www.fda.gov/news-events/press-announcements/coronavirus-covid-19-update-fda-expands-eligibility-covid-19-vaccine-boosters>

<sup>xxi</sup> *Ready Harris.* (n.d.). Retrieved September 8, 2021, from <https://www.readyharris.org/COVID-19-Incentive-Program>

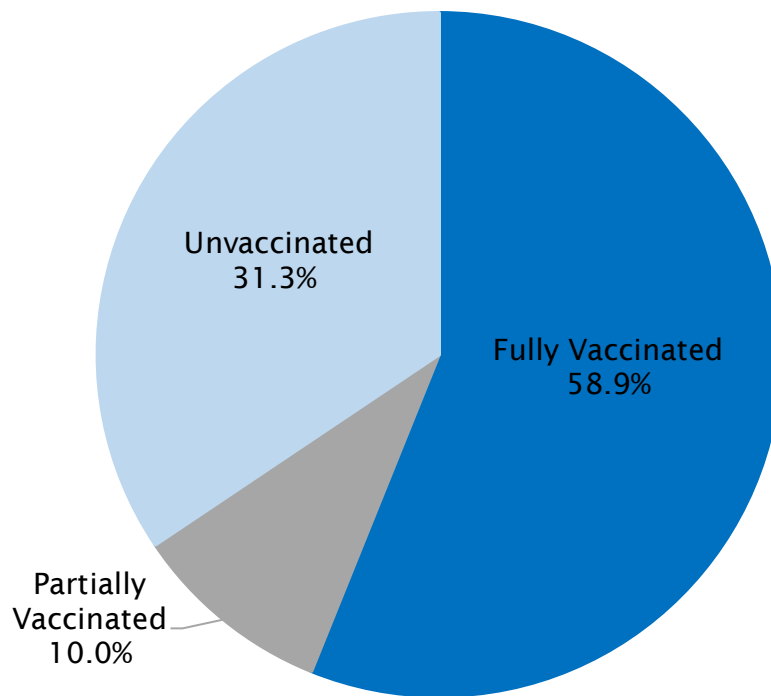
<sup>xxii</sup> *Houston Health Department to provide up to \$150 in gift cards for COVID-19 vaccinations.* (n.d.). Retrieved September 8, 2021, from <https://www.houstontx.gov/health/NewsReleases/houston-health-department-to-provide-up-to-150-in-gift-cards-for-covid-19-vaccinations.html>

## HARRIS COUNTY VACCINATION OVERVIEW

In December 2020, Harris County and local providers began receiving and distributing the first doses of the COVID-19 vaccine from the Texas Department of State Health Services (DSHS).<sup>xxiii</sup> **Figure 1** illustrates that as of January 11, 2022, 58.9% of all individuals in Harris County are fully vaccinated, 10.0% are partially vaccinated, and 31.3% remain unvaccinated.

Figure 1

### Vaccinated, Unvaccinated, and Partially Vaccinated Residents in Harris County as of January 11, 2022

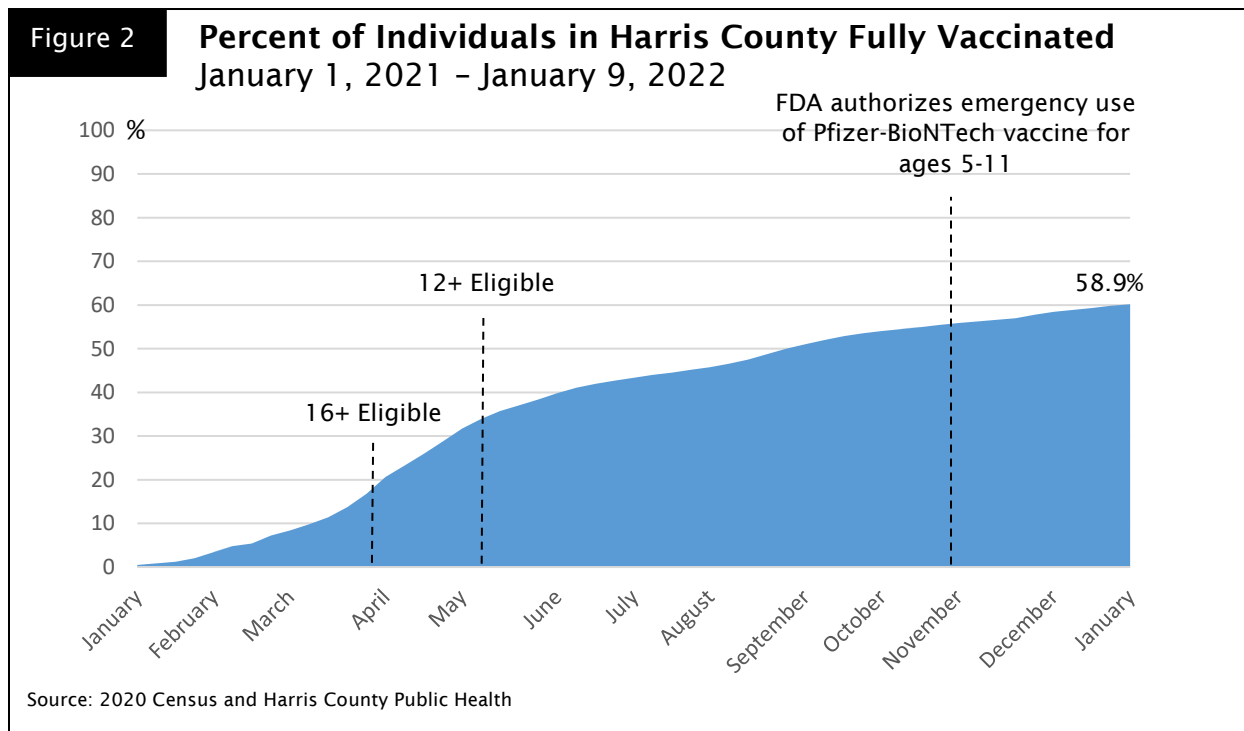


Source: 2020 Census and Harris County Public Health

<sup>xxiii</sup> *Workbook: COVID-19 Vaccine in Texas (Dashboard)*. (n.d.). Retrieved January 10, 2022, from [https://tabexternal.dshs.texas.gov/t/THD/views/COVID-19VaccineinTexasDashboard/VaccineDosesAllocated?%3Aorigin=card\\_share\\_link&%3Aembed=y&%3AisGuestRedirectFromVizportal=y](https://tabexternal.dshs.texas.gov/t/THD/views/COVID-19VaccineinTexasDashboard/VaccineDosesAllocated?%3Aorigin=card_share_link&%3Aembed=y&%3AisGuestRedirectFromVizportal=y)

## INDIVIDUALS IN HARRIS COUNTY FULLY VACCINATED

**Figure 2** presents the percentage of Harris County individuals fully vaccinated between January 1, 2021 and January 9, 2022.<sup>xxiv</sup> This figure includes individuals vaccinated by Harris County Public Health (HCPH) and all other providers. HCPH reports countywide data regarding individuals fully vaccinated by week.



On March 29, 2021, as shown in **Figure 2**, Texas expanded vaccine eligibility to all individuals age 16 and older. Beginning May 12, 2021, Texas expanded vaccine eligibility to all individuals age 12 and older. On October 29, 2021, the FDA authorized the emergency use of the Pfizer-BioNTech vaccine to include children 5 through 11 years of age.<sup>xxv</sup>

As of January 9, 2022, 58.9% (2,786,039) of all individuals in Harris County were fully vaccinated, meaning an individual has received both doses of either the Moderna or Pfizer-BioNTech vaccines or a single dose of the Johnson & Johnson vaccine.<sup>xxvi</sup> This reflects a 4.9% (from 2,655,159 to 2,786,039) increase from November 30, 2021 (the prior memo). As of January 11, 2021, a total of 10.0% (472,843) of all individuals in Harris County were partially vaccinated and 16.4% (777,271) of individuals had received booster shots.<sup>xxvii</sup>

<sup>xxiv</sup> Individuals who are partially vaccinated and individuals fully vaccinated are mutually exclusive, meaning individuals partially vaccinated only includes individuals who have received one vaccine dose of a two-dose shot (Pfizer or Moderna) and individuals fully vaccinated include individuals who have received either the Johnson & Johnson vaccine or two vaccine doses of Pfizer or Moderna.

<sup>xxv</sup> Commissioner, O. of the. (2021, October 29). *FDA Authorizes Pfizer-BioNTech COVID-19 Vaccine for Emergency Use in Children 5 through 11 Years of Age*. FDA; FDA. <https://www.fda.gov/news-events/press-announcements/fda-authorizes-pfizer-biontech-covid-19-vaccine-emergency-use-children-5-through-11-years-age>

<sup>xxvi</sup> Figure assumes Harris County's total population of 4,731,145, per the US Census Bureau's 2020 Decennial Census.

<sup>xxvii</sup> Figure assumes Harris County's total population of 4,731,145, per the US Census Bureau's 2020 Decennial Census.

## NUMBER OF INDIVIDUALS PER 100,000 RESIDENTS FULLY VACCINATED BY ZIP CODE

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**Table 2** presents the number of individuals per 100,000 residents fully vaccinated by zip code. The table also includes the median income, Social Vulnerability Index (SVI) score, and commissioner precinct for each zip code. Commissioner precinct boundaries do not align with zip code boundaries; some zip codes are in multiple precincts.<sup>xxviii</sup> Precincts are listed in order of the greatest to least percentage of zip code land mass within the precinct.

Social vulnerability describes a community's ability to prevent human suffering and financial loss in the event of a disaster (such as a hurricane or disease outbreak).<sup>xxix</sup> SVI rankings are based on percentiles ranging from 0 to 1 (with higher values indicating greater vulnerability). SVI data is often presented using quartile classification. This analysis utilizes CDC's SVI classifications as follows: 0-0.25 (lowest vulnerability); 0.25-0.5 (moderate low); 0.50-0.75 (moderate high); and 0.75-1 (highest vulnerability).

**Table 2** ranks zip codes within Harris County to show relative vulnerability in comparison to the rest of Harris County. The median of the median incomes of the fifteen Harris County zip codes with the **fewest number of individuals per 100,000 residents fully vaccinated is \$50,461**. The median of the median incomes of the fifteen Harris County zip codes with the **greatest number of individuals per 100,000 residents fully vaccinated is \$91,138**.<sup>xxx</sup>

This analysis excludes zip codes 77027, 77010, 77024, 77030, 77056, 77507, 77523, 77046, and 77498 because they report higher vaccinated populations than the reported zip code population. HCPH suggests that this is likely due to the low population relative to other zip codes, which means measured parameters are sensitive to bad data such as data entry errors, individuals using business addresses in lieu of a home residence, and other factors. For a full list of zip codes, see Appendix D.

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<sup>xxviii</sup> Zip codes are assigned to commissioner precincts in accordance with the November 3, 2021 commissioner precinct boundaries.

<sup>xxix</sup> Centers for Disease Control (CDC) SVI 2016 Documentation.

<sup>xxx</sup> Analysis excludes zip codes with small percentage of land mass in Harris County and zip code 77507, which has no income data available.

Table 2

### Number of Individuals Per 100,000 Residents Fully Vaccinated by Zip Code, Median Income, SVI, and Commissioner Precinct December 14, 2020 – January 11, 2022

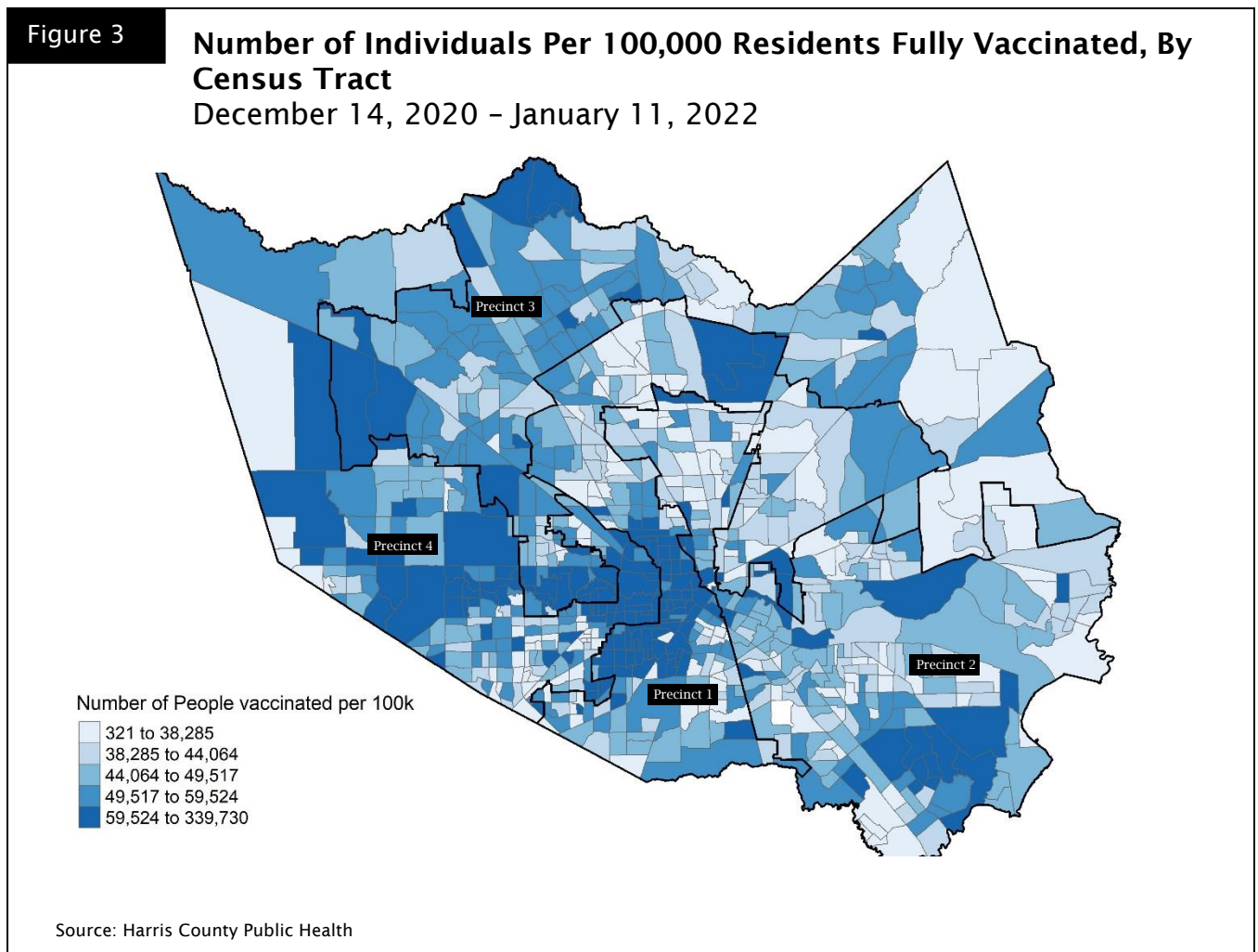
Zip Codes With Fewest Number of Individuals Per 100,000 Residents Fully Vaccinated				
Zip Code	Number Per 100k	Median Income	SVI	Commissioner Precinct(s)
77336	37,195	\$68,596	0.30	3
77090	40,154	\$39,808	0.70	1,3
77532	42,373	\$67,824	0.37	3,2
77562	43,097	\$59,792	0.63	2,3
77004	45,687	\$51,309	0.53	1
77520	45,885	\$50,461	0.82	2
77067	46,510	\$43,282	0.79	1
77050	46,711	\$48,500	0.71	1,2
77530	46,947	\$61,149	0.59	2,3
77060	47,371	\$31,006	0.94	2,1
77013	48,606	\$38,665	0.98	2,1
77503	48,838	\$51,312	0.82	2
77571	49,121	\$76,864	0.38	2
77036	49,321	\$30,952	0.93	4
77091	49,375	\$36,098	0.92	1,2
Zip Codes With Greatest Number of Individuals Per 100,000 Residents Fully Vaccinated				
Zip Code	Number Per 100k	Median Income	SVI	Commissioner Precinct(s)
77041	67,525	\$87,489	0.31	3,4
77009	67,661	\$56,316	0.62	2,1
77094	68,540	\$178,354	NA	4
77083	70,756	\$54,425	0.53	4
77025	72,461	\$76,772	0.32	1
77006	73,486	\$85,956	0.09	1
77002	75,443	\$71,369	0.42	1,2
77008	76,479	\$108,644	0.08	1,4
77007	78,678	\$125,653	0.01	4,1
77005	79,238	\$192,380	0.03	1
77032	79,417	\$32,473	0.99	1,2
77059	79,460	\$139,163	0.05	2
77401	86,956	\$193,950	0.03	1
77098	87,032	\$91,138	0.07	4,1
77019	90,874	\$116,207	0.09	4,1

Highest Vulnerability
  Moderate High Vulnerability
  Lowest Vulnerability
  Moderate Low Vulnerability

Source: Population estimates from 2020 Census; income data from American Community Survey (ACS) 2019 5-year estimates downloaded from Harris County's Applied Technologies Location Analysis and Statistics (ATLAS); and SVI and vaccination rates from Harris County Public Health

## NUMBER OF INDIVIDUALS PER 100,000 RESIDENTS FULLY VACCINATED BY CENSUS TRACT

**Figure 3** presents the number of individuals per 100,000 Harris County residents fully vaccinated by census tract with Harris County commissioner precinct boundaries<sup>xxx</sup>



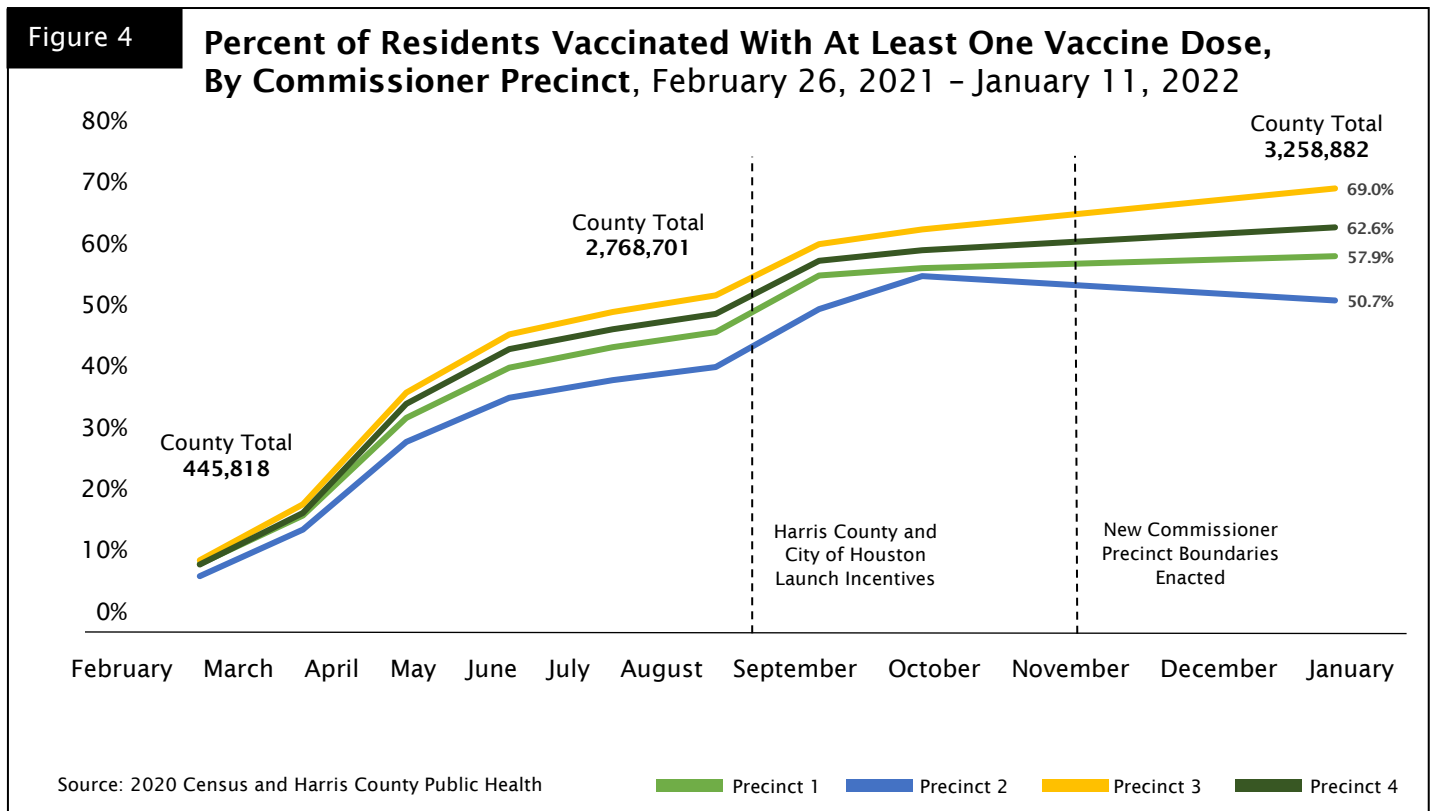
As of January 11, 2022, **58.9% (2,786,039)** of Harris County residents were fully vaccinated.<sup>xxxii</sup>

<sup>xxx</sup> Commissioner precinct boundaries used reflect boundaries effective November 3, 2021.

<sup>xxxii</sup> Figure assumes Harris County population of 4,731,145 according to the 2020 Census.

## PERCENT OF RESIDENTS VACCINATED WITH AT LEAST ONE DOSE BY COMMISSIONER PRECINCT

**Figure 4** demonstrates the growth in the percent of residents vaccinated *with at least one dose* by commissioner precinct from February 26, 2021 through January 11, 2022, for all four Harris County commissioner precincts.<sup>xxxiii</sup>



Between February 26, 2021 and January 11, 2022, 68.9% (3,258,882) of individuals in Harris County were vaccinated with at least one vaccine dose.<sup>xxxiv</sup> There was an increase of 5% (from 3,104,833 to 3,258,882) between November 30, 2021 (the prior memo) and January 11, 2022, of individuals vaccinated with at least one dose.

As of January 11, 2022<sup>xxxv</sup>

- **57.9% (685,716) of Precinct One residents** were vaccinated with at least one vaccine dose;
- **50.7% (600,079) of Precinct Two residents** were vaccinated with at least one vaccine dose;
- **69.0% (811,568) of Precinct Three residents** were vaccinated with at least one vaccine dose; and
- **62.6% (744,664) of Precinct Four residents** were vaccinated with at least one vaccine dose.

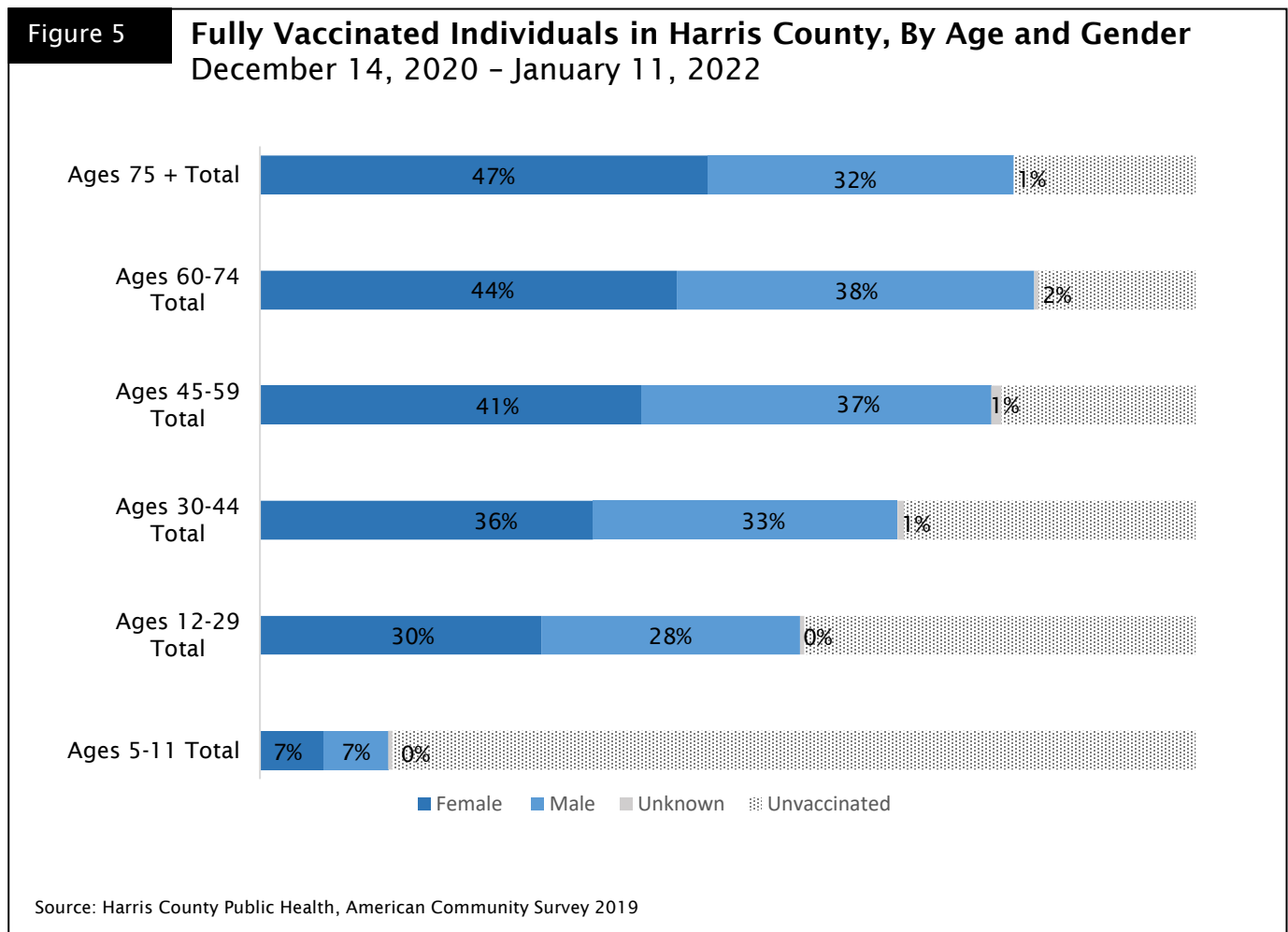
<sup>xxxiii</sup> Commissioner precinct boundaries used reflect boundaries effective November 3, 2021.

<sup>xxxiv</sup> Figure assumes Harris County's total population of 4,731,145, per the 2020 Census.

<sup>xxxv</sup> Precinct totals do not sum to County total because 416,855 individuals have addresses that cannot be geo-coded into a Precinct.

## FULLY VACCINATED INDIVIDUALS BY AGE AND GENDER

**Figure 5** and **Table 3**, which follows, reflect all individuals fully vaccinated by all providers in Harris County by the individual's age and gender. Each bar for each age group represents the age group's total population within Harris County's population and reflects the percentage of individuals in each age group vaccinated by gender.



Of the individuals who are fully vaccinated by a Harris County provider, 52% (1,464,862) are female; 47% (1,310,114) are male; and 1% (27,568) are recorded as unknown gender.<sup>xxxxvi</sup> As shown in **Figure 5**, individuals age 75 or older have the smallest percent of their age group who remain unvaccinated (20%), while individuals age 5-11 include the largest percent of their age group who remain unvaccinated (86%).

<sup>xxxxvi</sup> Age and gender totals do not sum to the total number of fully vaccinated individuals due to some records having incomplete or incorrect data.

## FULLY VACCINATED INDIVIDUALS BY AGE GROUP

**Table 3** reflects all individuals fully vaccinated by all providers in Harris County by the individual's age group and includes the percentage of Harris County's total age group population vaccinated. For context, **Table 3** also includes the percentage of Harris County's total population by age group.

Table 3

Fully Vaccinated Individuals in Harris County by Age Group December 14, 2020 – January 11, 2022			
Age Group	Number of Individuals Vaccinated	Percentage of Age Group Vaccinated <sup>xxxvii</sup>	Percentage of Total County Population <sup>xxxviii</sup>
75+	155,331	80.8%	4.4%
60-74	476,433	83.4%	13.1%
45-59	666,363	79.2%	19.3%
30-44	721,716	68.8%	24.0%
12-29	717,028	58.1%	28.3%
5-11	65,673	13.8%	10.9%

Source: Harris County Public Health, American Community Survey 2019 1-Year Estimates

As shown in **Table 3**

- 80.8% (155,331) of individuals ages 75 and over are fully vaccinated;
- 83.4% (476,433) of individuals ages 60-74 are fully vaccinated;
- 79.2% (666,363) of individuals ages 45-59 are fully vaccinated;
- 68.8% (721,716) of individuals ages 30-44 are fully vaccinated;
- 58.1% (717,028) of individuals ages 12-29 are fully vaccinated; and
- 13.8% (65,673) of individuals ages 5-11 are fully vaccinated.

<sup>xxxvii</sup> Reflects the number of individuals in the age group who are fully vaccinated. Previous versions of this memo reflected the total age group fully vaccinated as a percentage of all individuals vaccinated.

<sup>xxxviii</sup> Age group populations from American Community Survey 2019 data. Age groups 5-11 and 12-29 is estimated by the Analyst's Office due to data limitations.

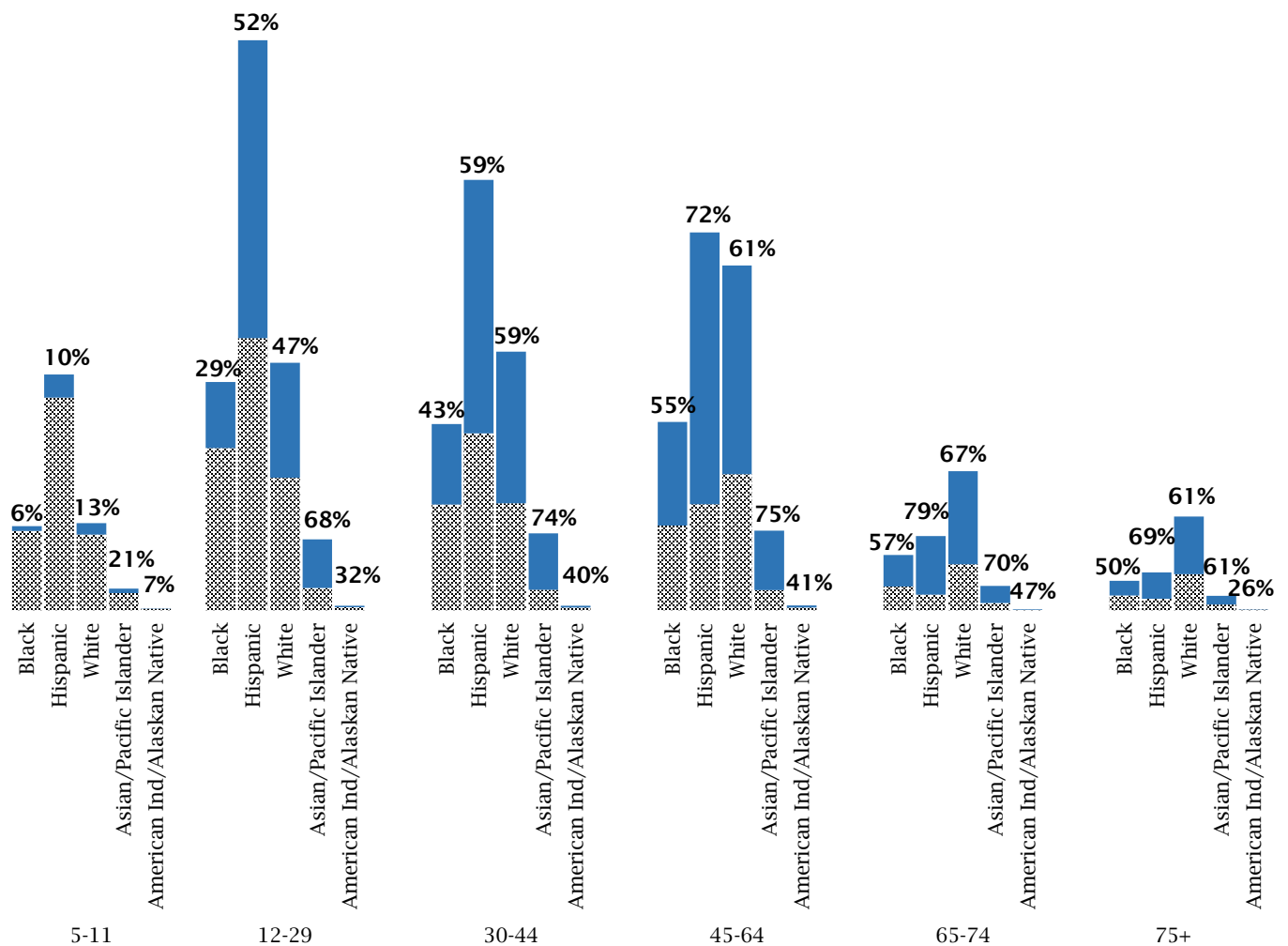
## FULLY VACCINATED INDIVIDUALS BY RACE/ETHNICITY AND AGE GROUP

**Figure 6** reflects all individuals fully vaccinated by all providers in Harris County by the individual's race and age group. Each bar represents the percentage of individuals vaccinated for the given age range by race/ethnicity. The height of the bars reflects the given race/ethnicity group's proportion of the total population for the given age group.

Figure 6

### Fully Vaccinated Individuals in Harris County, By Race/Ethnicity and Age Group

December 14, 2020 – January 11, 2022



Source: American Community Survey 2019 1-Year Estimates and Harris County Public Health

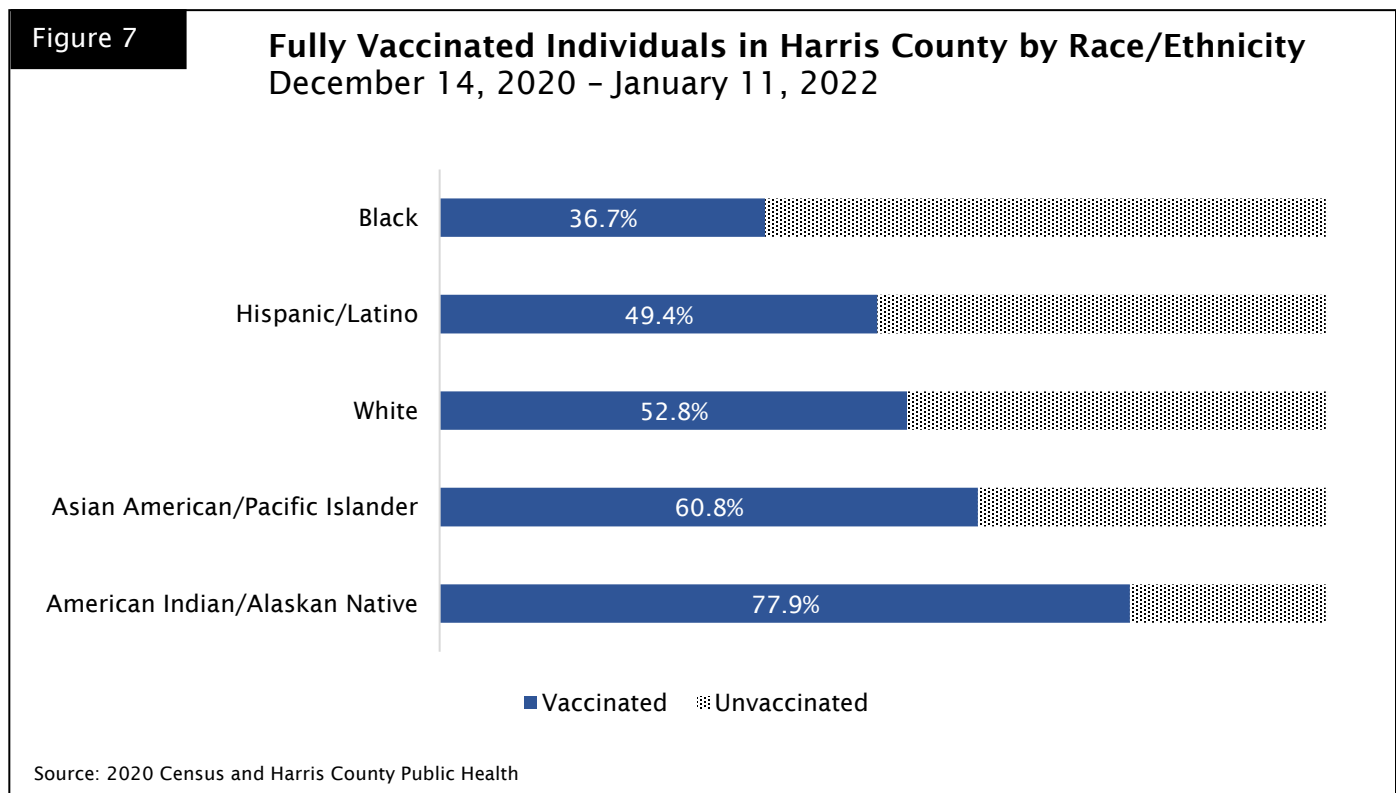
■ Vaccinated ■ Unvaccinated

As shown in **Figure 6**, for individuals fully vaccinated in Harris County, the demographic with the highest percentage of individuals vaccinated are individuals who identify as Hispanic ages 65-74 (79%). The demographic with the lowest percentage of individuals vaccinated are individuals who identify as Black ages 5-11 (6%), followed closely by individuals who identify as American Indian/Alaskan Native ages 5-11 (7%).

## PERCENTAGE OF FULLY VACCINATED INDIVIDUALS BY RACE AND ETHNICITY

**Figure 7** and **Table 4** reflect the percentage of individuals in Harris County who are fully vaccinated by all providers in Harris County by race and ethnicity.<sup>xxxix</sup>

Each bar for each race or ethnicity group represents the race or ethnicity group's total population within Harris County's population and reflects the percentage of individuals in each race and ethnicity group vaccinated.



As shown in **Figure 7**, individuals who identify as Black in Harris County have the smallest vaccinated population at 36.7%, followed by individuals who identify as Hispanic or Latino at 49.4%.

<sup>xxxix</sup> Note: Prior to February 4, 2021, providers were not required to report race and ethnicity when reporting doses to the Texas Department of State Health Services (DSHS) because vaccine recipients are allowed to decline disclosing their race and ethnicity to a provider.

## FULLY VACCINATED INDIVIDUALS BY RACE AND ETHNICITY

**Table 4** reflects the race and ethnicity of individuals in Harris County who are fully vaccinated by all providers in Harris County.<sup>xi</sup> For context, **Table 4** also includes the percentage of Harris County's total population by race and ethnicity.

Previous versions of this table in past memos reflected the total number of individuals by race and ethnicity fully vaccinated as a percentage of all individuals vaccinated—this version of the report shows the percentage vaccinated within a given race or ethnicity.

Table 4

Fully Vaccinated Individuals in Harris County by Race/Ethnicity December 14, 2020 – January 11, 2022			
Race/Ethnicity	Number of Individuals Vaccinated	Percentage of Race/Ethnicity Group Vaccinated <sup>xli</sup>	Percentage of Total Population
Black	325,346	36.7%	18.7%
Hispanic/Latino	1,005,315	49.4%	43.0%
White	690,933	52.8%	27.7%
Asian American/ Pacific Islander	211,388	60.8%	7.4%
American Indian/ Alaskan Native	6,567	77.9%	0.2%
Multi-Racial	254,094	NA	2.6%
Other/Unknown	292,396	NA	0.5%

Source: 2020 Census and Harris County Public Health

As shown in **Table 4**

- 36.7% (325,346) of individuals who identify as Black are fully vaccinated;
- 49.4% (1,005,315) of individuals who identify as Hispanic/Latino are fully vaccinated;
- 52.8% (690,933) of individuals who identify as White are fully vaccinated;
- 60.8% (211,388) of individuals who identify as Asian American/Pacific Islander are fully vaccinated; and
- 77.9% (6,567) of individuals who identify as American Indian/Alaskan Native are fully vaccinated.

<sup>xi</sup> Note: Prior to February 4, 2021, providers were not required to report race/ethnicity when reporting doses to Texas Department of State Health Services (DSHS) because vaccine recipients are allowed to decline disclosing their race/ethnicity to a provider.

<sup>xli</sup> Note: The percentage of Harris County's total race and ethnicity group population that is vaccinated for Other/Unknown and Multi-racial is unavailable because there are more vaccinated individuals identifying as Multi-racial and Other/Unknown than the total population estimate of both groups in Harris County's 2020 Census data.

## INDIVIDUALS FULLY VACCINATED BY RACE AND ETHNICITY AND COMMISSIONER PRECINCT

**Table 5** reflects the race and ethnicity of individuals in Harris County who are fully vaccinated by providers in Harris County by commissioner precinct.<sup>xlii</sup> For context, **Table 5** also includes the percentage of each commissioner precinct's total population by race and ethnicity.

<b>Table 5 Fully Vaccinated Individuals in Harris County by Race/Ethnicity, By Commissioner Precinct December 14, 2020 – January 11, 2022</b>			
Race/Ethnicity	Number of Individuals Vaccinated	Percentage of Precinct's Vaccinated Population	Percentage of Total Precinct Population
<b>Precinct 1</b>			
Black	137,699	21.5%	33.4%
Hispanic/Latino	234,733	36.6%	37.3%
White	103,035	16.1%	19.8%
Asian Am./Pacific Islander	39,764	6.2%	6.4%
Am. Indian/Alaskan Native	1,260	0.2%	0.1%
Multi-racial	66,686	10.4%	2.4%
Other/Unknown	58,736	9.2%	0.5%
<b>Precinct 2</b>			
Black	32,273	5.7%	10.2%
Hispanic/Latino	292,717	52.1%	63.6%
White	129,153	23.0%	20.3%
Asian Am./Pacific Islander	21,669	3.9%	3.6%
Am. Indian/Alaskan Native	935	0.2%	0.2%
Multi-racial	39,690	7.1%	1.7%
Other/Unknown	45,580	8.1%	0.4%
<b>Precinct 3</b>			
Black	70,373	9.1%	13.8%
Hispanic/Latino	240,398	31.2%	28.6%
White	215,689	28.0%	45.0%
Asian Am./Pacific Islander	85,875	11.1%	8.4%
Am. Indian/Alaskan Native	1,943	0.3%	0.2%
Multi-racial	85,588	11.1%	3.6%
Other/Unknown	70,974	9.2%	0.5%
<b>Precinct 4</b>			
Black	68,418	9.7%	17.4%
Hispanic/Latino	222,317	31.5%	42.4%
White	218,527	31.0%	25.7%
Asian Am./Pacific Islander	56,496	8.0%	11.0%
Am. Indian/Alaskan Native	1,657	0.2%	0.2%
Multi-racial	72,686	10.3%	2.6%
Other/Unknown	65,134	9.2%	0.7%

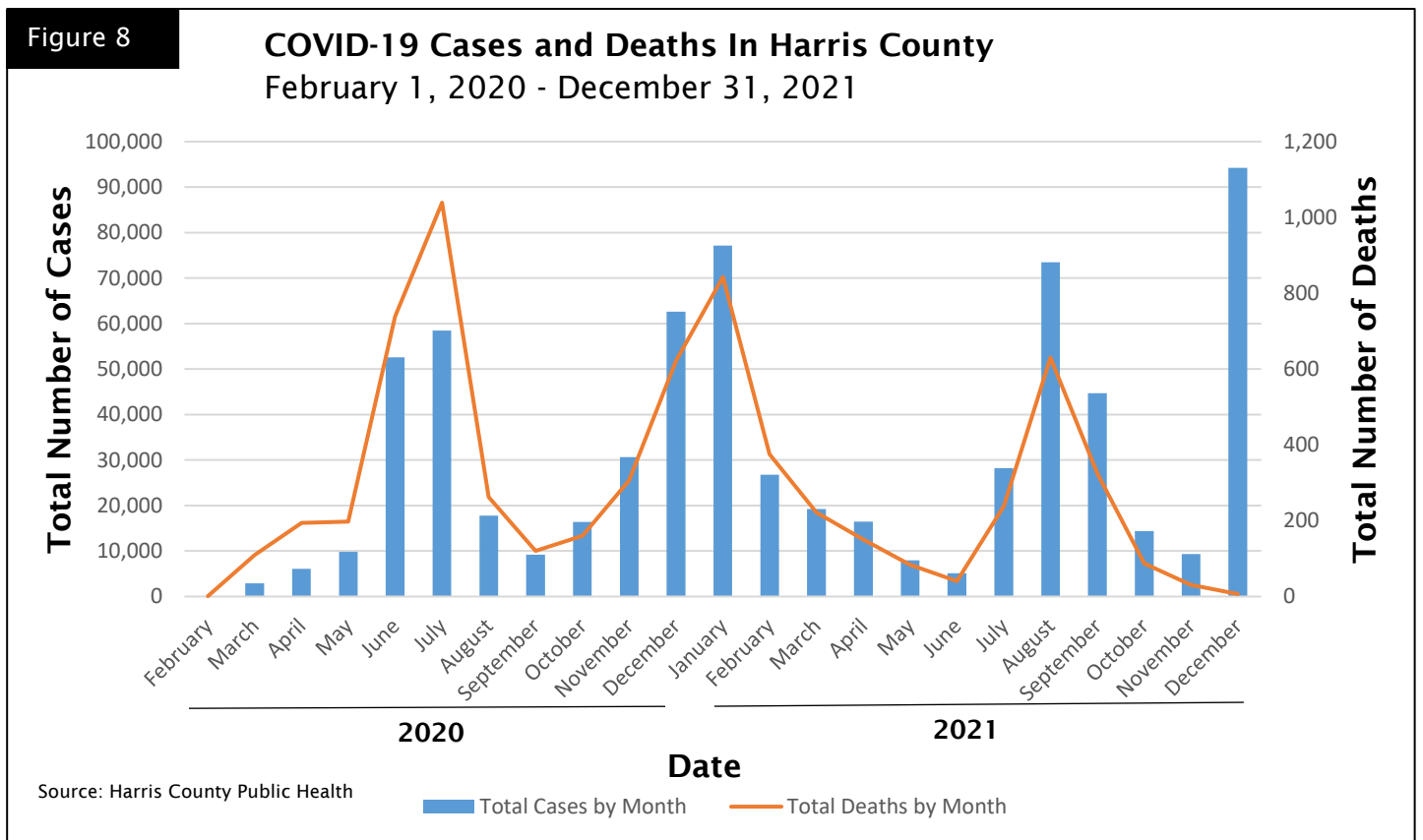
Sources: 2020 Census, Harris County Public Health, and Harris County Office of Management and Budget

<sup>xlii</sup> Commissioner precinct boundaries used reflect boundaries effective November 3, 2021.

## COVID-19 CASES AND DEATHS IN HARRIS COUNTY

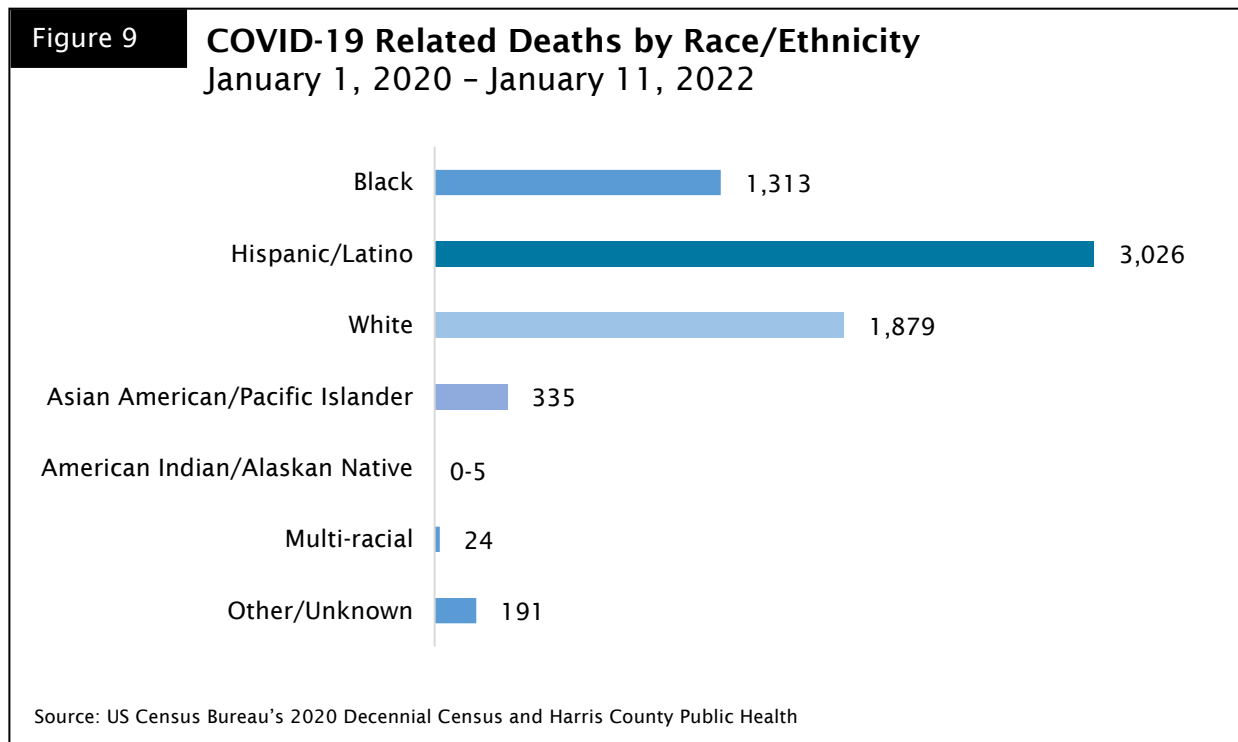
**Figure 8** represents both COVID-19 cases and COVID-19 related deaths in Harris County from February 1, 2020 through December 31, 2021.

**Figure 8** captures the COVID-19 surges in Harris County in summer 2020, winter 2020-2021, and summer 2021. The visual also captures the early days of the latest surge due to the spread of the omicron variant.



## COVID-19-RELATED DEATHS BY RACE AND ETHNICITY

**Figure 9** reflects the total number of confirmed COVID-19-related deaths in Harris County by race and ethnicity.<sup>xliii</sup>



Of the 6,803 individuals in Harris County who died of a COVID-19-related death between January 1, 2020 and January 11, 2022:<sup>xliiv</sup>

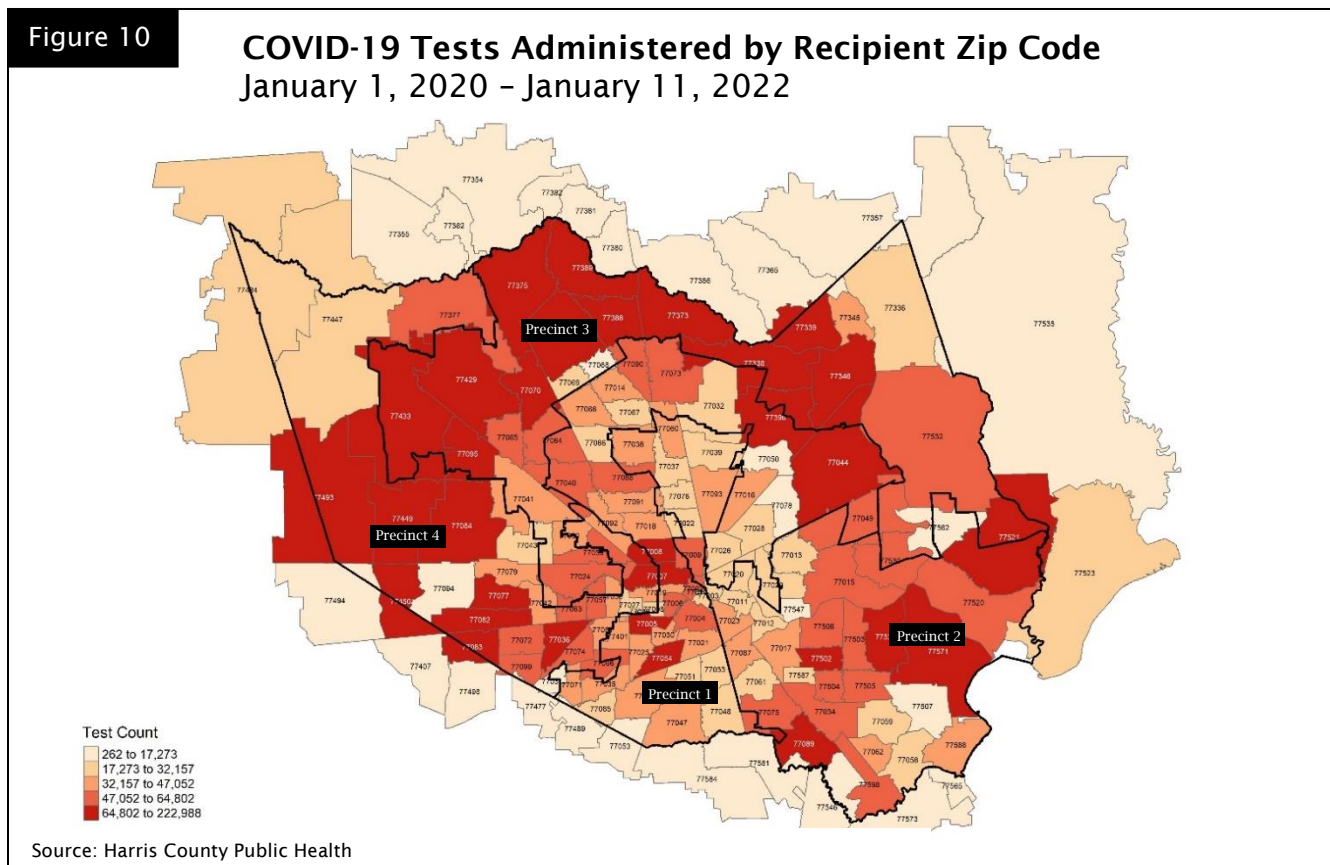
- **19.3% (1,313) identified as Black**, and for context, 18.7% of County residents identify as Black;
- **44.5% (3,026) identified as Hispanic/Latino**, and for context, 43.0% of County residents identify as Hispanic;
- **27.6% (1,879) identified as White**, and for context, 27.7% of County residents identify as White;
- **4.9% (335) identified as Asian or Pacific Islander**, and for context, 7.4% of County residents identify as Asian, Pacific Islander, or Native Hawaiian;
- **0.1% (0-5) identified as American Indian or Alaskan Native**, and for context, 0.2% of County residents identify as American Indian or Alaskan Native;
- **0.4% (24) identified as Multi-racial**, and for context, 2.6% of County residents identify as Two or More Races;
- **2.8% (191) were recorded as Other/Unknown race and ethnicity.**

<sup>xliii</sup> Race and ethnicity totals do not sum to Total Precinct Deaths because 32 deaths do not have race and ethnicity data available.

<sup>xliiv</sup> County-level race and ethnicity data are derived from the 2020 Census population estimates.

## COVID-19 TESTS BY ZIP CODE

**Figure 10** reflects the total number of COVID-19 polymerase chain reaction (PCR) tests administered to Harris County residents by all providers in Harris County by zip code, and **Table 6** reflects the number of COVID-19 PCR tests administered by the commissioner precinct.<sup>xlvi</sup>



Between January 1, 2020 and January 11, 2022, providers in Harris County **administered 7,627,727 COVID-19 tests**. For a full list of tests administered by recipient zip code, see Appendix A.<sup>xlvi</sup>

**Table 6**

COVID-19 Tests Administered, by Commissioner Precinct and for Harris County, January 1, 2020 – January 11, 2022				
Precinct 1	Precinct 2	Precinct 3	Precinct 4	Total Tests
1,682,861	1,677,541	1,846,775	1,594,515	7,627,727

<sup>xlvi</sup> PCR refers to the polymerase chain reaction tests commonly used to test for COVID-19.

<sup>xlvi</sup> Commissioner precinct boundaries used reflect boundaries effective November 3, 2021.

<sup>xlvi</sup> Precinct totals do not sum to Total Tests because 826,035 tests administered have addresses that cannot be geo-coded into a Precinct.

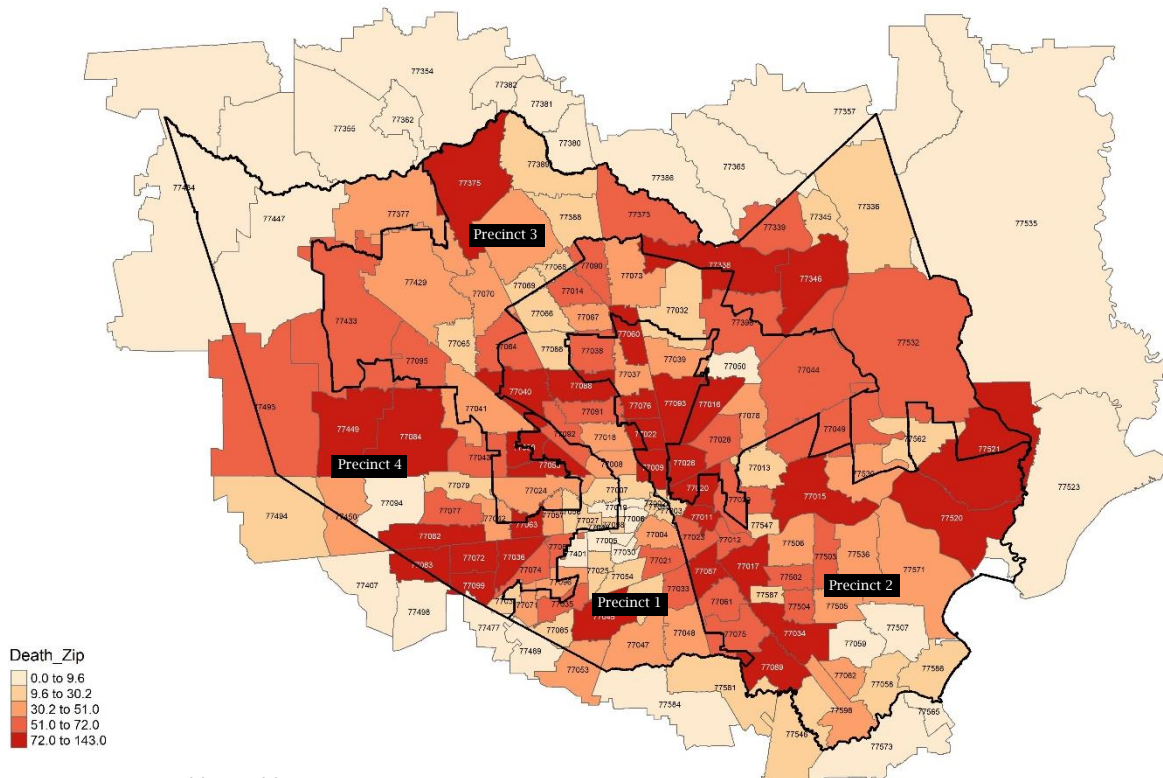
**Figure 11** reflects the total number of COVID-19 positive cases confirmed by a PCR test in Harris County, reported by zip code and **Table 7** reflects the number of positive COVID-19 cases by commissioner precinct.<sup>xlvi</sup> <sup>xlvi</sup>

## CONFIRMED COVID-19 RELATED DEATHS BY ZIP CODE

**Figure 12** reflects the total number of confirmed COVID-19-related deaths in Harris County by zip code and **Table 8** reflects the number of COVID-19-related deaths by commissioner precinct.<sup>li</sup>

Figure 12

### COVID-19 Related Deaths by Zip Code January 1, 2020 - January 11, 2022



Source: Harris County Public Health

Between January 1, 2020 and January 11, 2022, there were **6,803 confirmed COVID-19-related deaths** in Harris County. For a full list of deaths by zip code, see Appendix C.<sup>lii</sup>

Table 8

### COVID-19 Related Deaths by Commissioner Precinct and for Harris County, January 1, 2020 - January 11, 2022

Precinct 1		Precinct 2		Precinct 3		Precinct 4		County Total	
Number of Deaths	% of Precinct Population	Number of Deaths	% of Precinct Population	Number of Deaths	% of Precinct Population	Number of Deaths	% of Precinct Population	Number of Deaths	% of County Population
1,748	0.15%	2,232	0.19%	880	0.07%	1,880	0.16%	<b>6,803</b>	<b>0.14%</b>

<sup>li</sup> Commissioner precinct boundaries used reflect boundaries effective November 3, 2021.

<sup>lii</sup> Precinct totals do not sum to Total Deaths because 63 deaths have addresses that cannot be geo-coded into a precinct.

## APPENDIX A

Total COVID-19 Tests Administered by Zip Code Ordered by Tests Administered, January 1, 2020 – January 11, 2022							
Zip Code	Tests Administered	Zip Code	Tests Administered	Zip Code	Tests Administered	Zip Code	Tests Administered
77565	262	77003	22,043	77401	44,246	77015	63,297
77381	294	77051	22,137	77041	44,564	77055	63,878
77362	297	77085	22,514	77045	44,634	77024	64,169
77382	359	77069	22,741	77087	44,709	77054	65,752
77380	493	77011	22,837	77079	44,888	77339	66,423
77354	771	77058	24,185	77035	45,753	77008	66,770
77355	1,006	77026	25,386	77042	45,888	77070	66,971
77477	1,036	77523	26,233	77047	46,163	77036	67,114
77535	1,294	77059	27,009	77093	46,290	77044	68,624
77386	1,306	77587	27,615	77019	46,436	77536	69,828
77489	1,382	77067	28,786	77080	46,456	77571	70,219
77507	1,521	77039	28,975	77025	46,812	77389	70,911
77010	1,664	77086	29,536	77065	47,112	77502	70,919
77357	1,753	77098	29,762	77074	47,656	77082	71,554
77581	1,770	77048	30,346	77530	48,404	77388	76,686
77498	1,863	77061	30,529	77034	48,854	77007	77,402
77053	2,099	77022	30,881	77532	48,936	77089	80,979
77365	2,558	77020	30,919	77503	48,997	77077	81,593
77584	2,877	77447	31,262	77073	49,113	77338	82,208
77573	3,024	77076	31,413	77504	49,158	77083	91,972
77046	3,175	77027	31,516	77075	49,494	77373	94,309
77494	3,684	77043	31,874	77002	49,872	77521	98,848
77407	4,680	77091	33,291	77090	49,973	77375	108,224
77050	4,765	77030	33,366	77006	50,426	77450	110,218
77546	5,663	77062	33,773	77598	50,604	77396	119,587
77094	12,623	77038	34,309	77057	50,972	77346	120,627
77068	13,013	77060	34,852	77096	51,908	77095	128,358
77562	13,656	77016	35,363	77063	51,972	77084	129,952
77547	15,128	77014	35,696	77049	52,788	77379	131,803
77031	16,794	77023	36,843	77505	54,389	77005	133,059
77078	16,954	77092	37,040	77520	54,986	77429	150,969
77484	17,486	77021	37,188	77040	55,778	77433	178,614
77013	17,565	77066	37,736	77004	55,963	77449	222,988
77033	17,843	77071	38,699	77099	56,164		
77336	18,573	77081	40,866	77506	58,380		
77037	18,731	77017	41,042	77009	59,532		
77012	20,029	77018	41,310	77064	60,558		
77028	20,156	77345	41,731	77088	61,213		
77032	20,502	77586	42,163	77072	62,177		
77029	21,746	77056	42,419	77377	62,897		

## APPENDIX B

Total COVID-19 Confirmed Positive Cases by Zip Code Ordered by Positive Cases, January 1, 2020 – January 11, 2022							
Zip Code	Positive Cases	Zip Code	Positive Cases	Zip Code	Positive Cases	Zip Code	Positive Cases
77362	3	77069	2,346	77024	4,441	77007	6,469
77565	4	77031	2,399	77503	4,555	77060	6,493
77382	5	77027	2,433	77086	4,586	77049	6,554
77355	6	77013	2,655	77039	4,654	77055	6,578
77381	7	77005	2,716	77066	4,662	77087	6,928
77535	10	77078	2,774	77079	4,709	77080	6,958
77354	11	77032	2,863	77020	4,761	77040	6,960
77357	26	77006	2,893	77033	4,847	77034	7,023
77573	26	77056	2,905	77091	4,879	77064	7,056
77386	28	77051	2,912	77065	4,886	77388	7,140
77380	32	77587	2,973	77532	4,898	77073	7,272
77498	74	77053	3,040	77377	4,926	77075	7,292
77010	78	77586	3,086	77063	5,042	77082	7,308
77365	84	77339	3,114	77042	5,064	77502	7,380
77507	94	77019	3,233	77008	5,082	77338	7,479
77407	94	77028	3,237	77022	5,137	77070	7,499
77584	116	77062	3,248	77057	5,158	77077	7,812
77523	164	77054	3,328	77035	5,169	77099	8,065
77581	178	77002	3,350	77041	5,176	77072	8,249
77046	252	77025	3,361	77023	5,200	77093	8,570
77477	362	77037	3,381	77038	5,215	77044	8,980
77484	401	77029	3,401	77092	5,264	77088	8,993
77050	645	77085	3,511	77016	5,401	77521	8,993
77494	784	77598	3,563	77047	5,690	77375	9,289
77094	1,015	77011	3,581	77530	5,802	77373	9,551
77489	1,308	77048	3,585	77090	5,879	77015	9,618
77562	1,356	77012	3,751	77450	5,880	77036	9,681
77068	1,452	77061	3,870	77536	5,931	77095	9,933
77336	1,506	77043	3,899	77389	5,973	77089	9,962
77547	1,813	77018	3,923	77074	5,991	77396	10,184
77401	1,824	77504	4,008	77571	6,017	77346	10,737
77030	1,838	77026	4,013	77017	6,019	77379	11,282
77546	1,842	77021	4,116	77076	6,020	77429	11,579
77059	1,896	77505	4,122	77045	6,033	77433	13,763
77098	2,003	77004	4,184	77520	6,081	77084	17,377
77003	2,043	77071	4,254	77083	6,096	77449	20,387
77345	2,093	77014	4,345	77506	6,246		
77447	2,251	77067	4,424	77081	6,285		
77058	2,332	77096	4,426	77009	6,285		

## APPENDIX C

Total Confirmed COVID-19 Related Deaths by Zip Code Ordered by Number of Deaths, January 1, 2020 – January 11, 2022							
Zip Code	COVID Deaths	Zip Code	COVID Deaths	Zip Code	COVID Deaths	Zip Code	COVID Deaths
77362	0-5	77389	17	77530	38	77091	70
77565	0-5	77345	18	77379	38	77064	70
77382	0-5	77054	18	77042	39	77075	70
77355	0-5	77002	18	77047	41	77023	71
77381	0-5	77562	19	77053	42	77026	72
77535	0-5	77547	19	77057	42	77060	72
77354	0-5	77056	19	77429	42	77040	72
77357	0-5	77065	19	77004	43	77346	72
77573	0-5	77007	19	77506	43	77084	74
77386	0-5	77546	22	77070	43	77375	75
77380	0-5	77079	22	77571	48	77063	76
77498	0-5	77388	23	77450	49	77015	76
77010	0-5	77031	24	77039	50	77011	77
77365	0-5	77025	24	77043	51	77045	78
77507	0-5	77003	26	77038	51	77083	78
77407	0-5	77032	26	77044	51	77034	80
77584	0-5	77587	26	77433	51	77017	82
77523	0-5	77013	27	77090	53	77099	86
77046	0-5	77058	28	77061	55	77020	87
77477	0-5	77086	28	77503	55	77521	87
77484	0-5	77066	29	77021	56	77009	90
77094	0-5	77051	30	77014	56	77082	90
77489	6	77085	30	77028	57	77080	94
77447	7	77096	31	77532	58	77076	95
77059	7	77037	33	77077	58	77016	100
77030	8	77505	33	77012	59	77087	101
77005	8	77048	34	77092	59	77089	101
77050	9	77024	34	77029	60	77093	103
77401	9	77008	34	77502	60	77055	104
77006	9	77536	35	77074	64	77022	107
77019	9	77073	35	77373	64	77338	107
77581	10	77018	36	77396	64	77088	119
77068	10	77071	36	77035	65	77036	120
77098	10	77067	36	77504	66	77520	121
77027	12	77377	36	77033	66	77072	128
77586	14	77598	37	77049	66	77449	143
77494	15	77041	37	77081	67		
77069	15	77078	38	77095	67		
77336	17	77062	38	77339	70		

## APPENDIX D

**Number of Individuals Per 100,000 Residents Fully Vaccinated and Social Vulnerability Index (SVI), Ordered by Residents Vaccinated, December 14, 2020 – January 11, 2022<sup>iii</sup>**

Zip Code	Per 100k Rate	SVI	Zip Code	Per 100k Rate	SVI	Zip Code	Per 100k Rate	SVI	Zip Code	Per 100k Rate	SVI
77336	37,195	0.30	77053	51,399	0.72	77040	57,702	0.55	77062	65,006	0.19
77090	40,154	0.70	77051	51,458	0.80	77388	58,224	0.13	77089	65,010	0.47
77532	42,373	0.37	77547	51,626	0.66	77429	58,254	0.06	77057	65,855	0.34
77562	43,097	0.63	77504	52,020	0.88	77505	58,415	0.24	77054	65,969	0.26
77004	45,687	0.53	77080	52,265	0.83	77375	58,595	0.45	77389	66,782	0.14
77520	45,885	0.82	77338	52,559	0.58	77377	58,684	0.24	77079	66,808	0.27
77067	46,510	0.79	77061	52,822	0.70	77433	58,763	0.11	77018	66,997	0.48
77050	46,711	0.71	77034	52,843	0.67	77449	58,852	0.36	77041	67,525	0.31
77530	46,947	0.59	77044	53,038	0.41	77069	59,103	0.22	77009	67,661	0.62
77521	47,278	0.64	77049	53,203	0.63	77084	59,532	0.36	77094	68,540	NA
77060	47,371	0.94	77016	53,480	0.89	77066	59,693	0.59	77083	70,756	0.53
77013	48,606	0.98	77088	53,536	0.77	77017	60,043	0.66	77025	72,461	0.32
77503	48,838	0.82	77086	53,760	0.78	77082	60,107	0.54	77006	73,486	0.09
77571	49,121	0.38	77033	53,862	0.93	77095	60,249	0.23	77002	75,443	0.42
77036	49,321	0.93	77035	53,862	0.74	77379	60,924	0.21	77008	76,479	0.08
77091	49,375	0.92	77502	54,479	0.89	77087	61,561	1.00	77007	78,678	0.01
77026	49,670	0.94	77020	55,087	0.89	77099	61,668	0.80	77005	79,238	0.03
77039	49,884	0.73	77038	55,218	0.50	77055	61,808	0.68	77032	79,417	0.99
77598	50,117	0.57	77022	55,395	0.97	77045	62,066	0.84	77059	79,460	0.05
77021	50,127	0.74	77075	55,417	0.61	77064	62,086	0.47	77401	86,956	0.03
77073	50,231	0.50	77047	55,437	0.55	77023	62,224	0.76	77098	87,032	0.07
77028	50,291	0.84	77586	55,691	0.18	77092	62,433	0.75	77019	90,874	0.09
77093	50,315	0.97	77587	55,739	0.91	77450	62,626	0.18	77027	108,168	0.01
77506	50,361	0.95	77447	55,948	0.45	77077	62,702	0.29	77010	118,800	0.02
77078	50,427	0.89	77068	55,965	0.43	77085	62,715	0.60	77024	124,072	0.16
77536	50,498	0.44	77031	56,257	0.64	77345	62,858	0.05	77030	132,788	0.28
77396	50,747	0.51	77346	56,666	0.12	77011	62,976	0.96	77056	145,107	0.14
77076	50,753	0.86	77042	56,857	0.38	77071	62,976	0.68	77507	175,455	NA
77074	50,945	0.86	77012	57,052	0.99	77072	63,018	0.87	77523	181,664	0.26
77048	51,195	0.85	77063	57,056	0.57	77043	63,250	0.52	77046	192,299	0.10
77037	51,301	0.69	77070	57,432	0.49	77029	63,374	0.88	77498	960,417	0.33
77373	51,343	0.30	77065	57,647	0.43	77339	64,707	0.32			
77014	51,350	0.78	77015	57,655	0.76	77096	64,744	0.39			
77081	51,389	0.81	77058	57,663	0.46	77003	64,987	0.61			

<sup>iii</sup> Table excludes data for zip codes with unavailable population and vaccination data.



**The Harris County Commissioners Court's Analyst's Office** provides the Harris County Commissioners Court members with objective, nonpartisan, and timely fiscal and policy analysis related to the efficiency and effectiveness of various County operations.

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